

**STATEMENT OF WORK
DRAINAGE WATER MANAGEMENT (554)
Wyoming**

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN

Deliverables:

1. Design Surveys
 - a. Topographic survey information
 - b. Limiting and controlling ground and water surface elevations.
 - c. Soils investigations.
 - d. Notes regarding existing vegetation describing kind and desirability for preservation.
2. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan
 - b. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06)
 - d. List of facilitating/component practices
 - e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Geology and Soil Mechanics (NEM Subpart 531a)
 - ii. Hydrology/Hydraulics
 - iii. Structural
 - iv. Water control structure design and details
 - v. Vegetation
 - vi. Quantity computations
 - vii. Environmental Considerations
 - viii. Safety Considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12)
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits...
 - a. Plan, profile, and typical cross-sections of required earth fill and excavation
 - b. Location and construction details of structures.
 - c. Plan view of work area showing construction details and notations regarding vegetative requirements.
 - d. Location map.
4. Operation and Maintenance Plan (National Operation and Maintenance Manual 500.70 and 500.40 through 500.42)
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03 (a) (3)).
6. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
 - a. Centerline and slope stakes for earth fills and excavations.
 - b. Grade and alignment stakes for conduits and structures.
4. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used (Part 512, Subchapter D Quality Assurance Activities, 512.33)
 - b. Inspection records
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements.

**STATEMENT OF WORK
DRAINAGE WATER MANAGEMENT (554)
Wyoming**

CHECK OUT

Deliverables

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03 (c) (1)).
3. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Drainage Water Management, 554
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook